

sub D37  
C2  
4. (Amended) The method as claimed in claim 1, wherein said carbohydrate is rice.

5. (Amended) The method as claimed in claim 4, further comprising the steps of husking, cocking, and sterilizing said rice before adding to said medium.

sub D47  
C3  
8. (Amended) The method as claimed in claim 7, wherein the culturing comprises:

(1) inoculating said filamentous fungi from a stock culture to a new agar plate and incubating in an incubator for about 5 to 7 days;

(2) washing spores and mycelia of the filamentous fungi grown on said plate with sterile water; and

(3) cultivating for about 36 to 48 hours said spores and mycelia in a medium comprising a full-grain particle solid substrate by shaking, to form a culture.

C4 sub D7  
12. (Amended) The method as claimed in claim 11, wherein the medium of the batch comprises a nitrogen source and a full-grain particle solid substrate.

sub D77  
C5  
13. (Amended) A method for cultivation of *Monascus* species by using a full-grain particle solid substrate comprising the steps of:

(a) preparing a medium comprising a full-grain particle solid grain substrate; and

(b) inoculating said medium with said *Monascus* species in a bioreactor to carry out fermentation wherein the mycelia of said *Monascus* species are attached to said full-grain particle solid grain substrate.

sub D87  
C6  
14. (Amended) The method as claimed in claim 13, further comprising the steps of husking, cocking, and sterilizing said full-grain particle solid grain before adding to said medium.

C7 sub D97  
16. (Amended) The method as claimed in claim 15, wherein the culturing comprises:

sub 101  
67  
CIN  
(1) inoculating said *Monascus* species from a stock culture to a new agar plate and incubating in an incubator for about 5 to 7 days;

(2) washing spores and mycelia of said *Monascus* species grown on said plate with sterile water; and

(3) cultivating for about 36 to 48 hours said spores and mycelia in a medium comprising a full-grain particle solid substrate by shaking, to form a culture.

sub 102  
68 sub 102  
20. (Amended) The method as claimed in claim 19, wherein the medium of the batch comprises a nitrogen source and a full-grain particle solid grain substrate.

sub 103  
69  
21. (Amended) A method for producing metabolites from the cultivation of *Monascus* species by using a full-grain particle solid grain substrate comprising the steps of:

(a) preparing a medium comprising a full-grain particle solid grain substrate; and  
(b) inoculating said medium with said *Monascus* species in a bioreactor to carry out fermentation wherein the mycelia of said *Monascus* species are attached to said full-grain particle solid substrate.

sub 104  
70  
22. (Amended) The method as claimed in claim 21, further comprising the steps of husking, cooking, and sterilizing said full-grain particle solid grain before adding to said medium.

sub 105  
71  
24. (Amended) The method as claimed in claim 23, wherein the culturing comprises:

(1) inoculating said *Monascus* species from a stock culture to a new agar plate and incubating in an incubator for about 5 to 7 days;

(2) washing spores and mycelia of said *Monascus* species grown on said plate with sterile water; and

(3) cultivating for about 36 to 48 hours said spores and mycelia in a medium comprising a full-grain particle solid grain substrate by shaking, to form a culture.

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Page : 4

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28. (Amended) The method as claimed in claim 27, wherein the medium of the batch comprises a nitrogen source and a full-grain particle solid grain substrate.--

Add claims 29-31.

-- 29. The method as claimed in claim 1, wherein the solid substrate is rice.

30. The method as claimed in claim 13, wherein the solid grain substrate is rice.

31. The method as claimed in claim 21, wherein the solid grain substrate is rice.--